

Title (en)
NOVEL GENES INVOLVED IN BIOSYNTHESIS

Title (de)
NEUE BIOSYNTHESE-GENE

Title (fr)
NOUVEAUX GÈNES IMPLIQUÉS EN BIOSYNTHÈSE

Publication
EP 2294200 A4 20120104 (EN)

Application
EP 09758583 A 20090605

Priority
• NZ 2009000099 W 20090605
• US 5969108 P 20080606
• NZ 56892808 A 20080606

Abstract (en)
[origin: WO2009148336A1] The invention provides a novel MYB class transcription factor gene (nucleic acid sequences, protein sequences, and variants and fragments thereof) designated MYB14 by the applicants, that is useful for manipulating the production of flavonoids, specifically condensed tannins, in plants. The invention provides the isolated nucleic acid molecules encoding proteins with at least 70% identity to any one of MYB14 polypeptide sequences of SEQ ID NO: 14 and 46 to 54. The invention also provides, constructs, vectors, host cells, plant cells and plants genetically modified to contain the polynucleotide. The invention also provides methods for producing plants with altered flavonoid, specifically condensed tannin production, making use of the MYB14 nucleic acid molecules of the invention.

IPC 8 full level
C07K 14/415 (2006.01); **C12N 15/29** (2006.01); **C12N 15/52** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP KR US)
C07K 14/415 (2013.01 - EP KR US); **C12N 15/8218** (2013.01 - KR); **C12N 15/8243** (2013.01 - EP KR US); **Y02A 40/146** (2017.12 - KR)

Citation (search report)
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• See references of WO 2009148336A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009148336 A1 20091210; AR 072022 A1 20100728; AU 2009255796 A1 20091210; AU 2009255796 B2 20140925; CA 2726743 A1 20091210; CA 2726743 C 20200901; CN 102124111 A 20110713; CN 102124111 B 20140924; EP 2294200 A1 20110316; EP 2294200 A4 20120104; EP 2294200 B1 20150304; ES 2537342 T3 20150605; JP 2011523559 A 20110818; JP 5774478 B2 20150909; KR 20110049769 A 20110512; MA 32451 B1 20110703; MX 2010013413 A 20110525; NZ 588580 A 20120727; PL 2294200 T3 20150831; PT 2294200 E 20150626; US 2011179528 A1 20110721; US 9051380 B2 20150609; UY 31875 A 20100129; ZA 201100093 B 20111130

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NZ 2009000099 W 20090605; AR P090102037 A 20090605; AU 2009255796 A 20090605; CA 2726743 A 20090605; CN 200980129156 A 20090605; EP 09758583 A 20090605; ES 09758583 T 20090605; JP 2011512404 A 20090605; KR 20117000232 A 20090605; MA 33486 A 20110103; MX 2010013413 A 20090605; NZ 58858009 A 20090605; PL 09758583 T 20090605; PT 09758583 T 20090605; US 99611709 A 20090605; UY 31875 A 20090605; ZA 201100093 A 20110104